

CLAIMS

What is claimed is:

1. A window shade assembly (17) for motor vehicles, comprising at least one winding shaft (19) rotatably supported in concealed relation below a covering (11) in the motor vehicle, a strip-shaped window shade (18) having one end fixed to said winding shaft (19) and being extractable and retractable through a slot (12) in said covering (11), a cover (15) movable between an open position for enabling extraction and retraction of said window shade (1) and a closed position at partially closing said slot when said window shade is retracted, a guide (16) laterally adjacent at least one side of said window (18), said guide having at least one guide groove (34), a tension rod (21) connected to said window on a distant edge with respect to said winding shaft (19), said winding shaft (19) having at least one guide member (38) guided in the guide groove (34) of said guide (16) during extracting and retracting movement of said window shade, a flexible elongated actuating element (23) moveable in said guide groove (34), at least one drive (20, 27) for displacing the actuating element (23) along the guide groove (34) and for turning said winding shaft (19), said actuating element (32) being operable to act upon and move said tension rod (21) only in a thrust direction of movement of the tension rod which extracts said window shade (18), and said actuating element (23) being operable for directly moving the cover (15) as an incident to movement of the actuating element (23).
2. The window shade assembly of claim 1 in which said covering (19) is a rear window shelf of the motor vehicle, and said slot (12) is formed in said shelf.
3. The window shade of assembly of claim 1 in which said cover (15) is pivotally supported on underside of said covering (11) out of view of an observer in said motor vehicle.
4. The window shade assembly of claim 1 in which said cover (15) is mounted for pivotal movement about an axis parallel to a rotary axis of said winding shaft (19)
5. The window shade assembly of claim 1 including a spring (46) for biasing said cover (15) into the open position.

6. The window shade assembly of claim 1 in which said cover (15) has an actuating arm (45, 47) that cooperates with said actuating element (23) during movement of said window shade to a retracted position to move said cover.

7. The window shade assembly of claim 1 in which said actuating element (23) is in the form of a flexible rack.

8. The window shade assembly of claim 1 in which said actuating element (23) has one end operable for cooperating with the tension rod (21) and an opposite end for cooperating with the cover (15).

9. The window shade assembly of claim 1 in which said actuating element (23) has one end that is operable for cooperating with the tension (21) and a portion adjacent said one end for cooperating with the cover (15) for moving the cover.

10. The window shade assembly of claim 9 in which said one end of said actuating element (23) has a driving pin (41) protruding outwardly of the guide groove (34) for cooperating with the cover.

11. The window shade assembly of claim 1 including an anti-buckling device (51) adjacent said flexible actuating element (23) for preventing buckling of said actuating element.